

ABSTRACT

Substantially pure glycosidases capable for cleaving selected glycosidic bonds have been described including glycosidases isolated from *Xanthomonas* and recombinant glycosidases. Substrate specificity of isolated enzymes have been identified for GlcNac β 1-X, Gal α 1-3R, Gal α 1-6R, Gal β 1-3R, Fuca-2R, Fuc α 1-3R, Fuc α 1-4R, Man α 1-2R, Man α 1-3R, Man α 1-6R, Man β 1-4R, Xyl β 1-2R, Glc β 1-4R, and Gal β 1-4R providing improved capability for selectively cleaving a glycosidic linkage in a carbohydrate substrate and for forming modified carbohydrates.